



BIOS Update Release Notes

PRODUCTS: D945GCL (Standard BIOS)

BIOS Version 0034

About This Release:

- September 06, 2007
- CL94510J.86A.0034.2007.0905.1956
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Removed TPM driver.
- Added ITK Data Var Type 3 to store VAREQ variable.
- Fixed issue where IIA or ITK could not set boot order correctly.
- Fixed issue where ITK/IIA could not set Boot Order if the Boot Menu Type in the BIOS Setup was set to Advance.
- Fixed issue where ITK or IIA could not read boot drives' model strings.
- Added capability to override debug patches even if the patch version is lesser than the current version.
- Workaround an intermittent failure seen with EFI_VARIABLE in Windows environment.
- Fixed an intermittent failure seen with EFI_VARIABLE in Windows environment.
- Flashing a large BMP Logo caused inability to reflash and possible not boot.
- Fixed issue where ITK or IIA could not access Boot Priority List when all the boot devices disabled in the BIOS Setup.

BIOS Version 0032

About This Release:

- July 24, 2007
- CL94510J.86A.0032.2007.0723.2036
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Updated processor support.
- Fixed flashing custom BIO file does not set OemDefault settings.
- Added support for writing a new variable through bio capsule.

BIOS Version 0027

About This Release:

- April 02, 2007
- CL94510J.86A.0027.2007.0402.1845
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39

*Other names and brands may be claimed as the property of others.

- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Updated processor support.

BIOS Version 0026

About This Release:

- March 28, 2007
- CL94510J.86A.0026.2007.0328.0131
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Updated processor support.
- Fixed issue where system would hang booting Windows* XP with OEM Activation 2.0 data programmed, EIST enabled, and a Conroe-class processor installed in the system.
- Added support for Windows Vista* Media Center OCCUR Host Firmware Support.
- Modified ACPI OSER support so that the Microsoft* Reference Block is now an optional parameter.

BIOS Version 0023

About This Release:

- January 29, 2007
- CL94510J.86A.0023.2007.0129.0103
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Added to displayed 2x cache memory on dual CPU but Conroe.
- Fixed issue where system hangs when trying to load bootable CD from a USB CD drive.
- Fixed issue where system would not recognize CTRL+ALT+DEL key sequence from boot cycling machine.
- IRQ fix for USB Interrupts.
- Fixed issue where disk partitions are sometimes not seen during operating system installation.
- Fixed issue where USB keyboard was sometimes not functional in BIOS SETUP if attached USB mouse is moved during BIOS SETUP.
- Fixed USB HID keyboard typematic issue.
- Fixed issue where USB HID keyboard bar code scanners were dropping characters under DOS.
- Fixed issue where USB mouse only would not work with certain HDD protection card.

BIOS Version 0020

About This Release:

- January 09, 2007
- CL94510J.86A.0020.2007.0109.0025
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

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New Fixes/Features:

- Added support for multiple Audio verb tables in single BIOS.
- Fixed Vista* SMBIOS HCT failure where Type 0 "Enable Targeted Content Distribution" bit is not set.
- Unhide "HPET Enable/Disable" BIOS setup option and set default state to "Disable".
- Added support for Winbond* W25X80 8Mb SPI part.

BIOS Version 0014**About This Release:**

- November 09, 2006
- CL94510J.86A.0014.2006.1108.2214
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Fixed issue where certain security software was unable to run properly.
- Moved USB Port setup option to USB configuration page.
- Supports OEM Activation 2.0. For details on the OEM Activation Program, send email to oasighn@microsoft.com
- Changed fan PWM from 25% to 75%.
- Updated processor support.

BIOS Version 0012**About This Release:**

- October 13, 2006
- CL94510J.86A.0012.2006.1012.1835
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Added ASC pulse stretch feature.

BIOS Version 0011**About This Release:**

- September 1, 2006
- CL94510J.86A.0011.2006.0831.1959
- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Added CPU blocking mechanism to block CPUs from running in boards with 3-phase VREG.
- Fixed BIOS show "2x" string on L2 Cache RAM

BIOS Version 0008**About This Release:**

- August 17, 2006
- CL94510J.86A.0008.2006.0816.1736

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- VBIOS info: Build Number: 1295 PC 14.12 02/17/2006 17:49:39
- Initializing Intel(R) Boot Agent FE v4.1.17

New Fixes/Features:

- Initial production bios release

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